

22

Access DB# 76459

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Gessst Examiner #: 59472 Date: 9/25/02  
Art Unit: 166 Phone Number 30 84531 Serial Number: 828270  
Mail Box and Bldg/Room-Location: 3809 Results Format Preferred (circle): PAPER DISK E-MAIL  
3016

If more than one search is submitted, please prioritize searches in order of need.  
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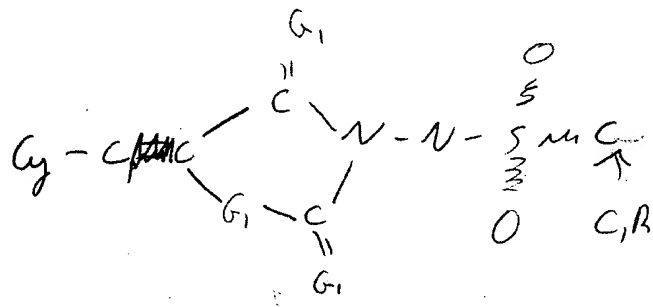
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*



G<sub>i</sub> = O, S, N

Jan Delaval  
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Biotechnology & Chemical Library  
CM1 1E07 - 703-308-4498  
jan.delaval@uspto.gov

## STAFF USE ONLY

Searcher: Jan  
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Date Searcher Picked Up: 9/25/02  
Date Completed: 9/25/02  
Searcher Prep & Review Time: \_\_\_\_\_  
Clerical Prep Time: 10  
Online Time: 10

### Type of Search

NA Sequence (#) \_\_\_\_\_  
AA Sequence (#) \_\_\_\_\_  
Structure (#) ✓  
Bibliographic \_\_\_\_\_  
Litigation \_\_\_\_\_  
Fulltext \_\_\_\_\_  
Patent Family \_\_\_\_\_  
Other \_\_\_\_\_

### Vendors and cost where applicable

STN ✓  
Dialog \_\_\_\_\_  
Questel/Orbit \_\_\_\_\_  
Dr.Link \_\_\_\_\_  
Lexis/Nexis \_\_\_\_\_  
Sequence Systems \_\_\_\_\_  
WWW/Internet \_\_\_\_\_  
Other (specify) \_\_\_\_\_

=> fil reg  
 FILE 'REGISTRY' ENTERED AT 13:36:06 ON 25 SEP 2002  
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STRUCTURE FILE UPDATES: 23 SEP 2002 HIGHEST RN 454421-17-1  
 DICTIONARY FILE UPDATES: 23 SEP 2002 HIGHEST RN 454421-17-1

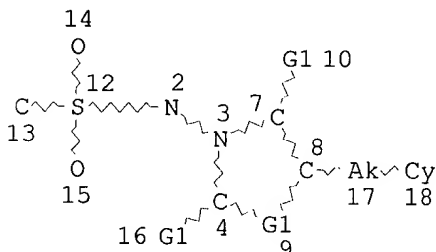
TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
 PROPERTIES for more information. See STNote 27, Searching Properties  
 in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que l6  
 L3 STR



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[jan.delaval@uspto.gov](mailto:jan.delaval@uspto.gov)

VAR G1=O/S/N  
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 NSPEC IS RC AT 13  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE  
 L6 108 SEA FILE=REGISTRY SSS FUL L3

100.0% PROCESSED 304 ITERATIONS  
 SEARCH TIME: 00.00.06

108 ANSWERS

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 SAV BOB828/A L6

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 L7 0 S L6

L8 FILE 'USPATFULL, USPAT2' ENTERED AT 13:35:39 ON 25 SEP 2002  
0 S L6

L9 FILE 'HCAPLUS' ENTERED AT 13:35:43 ON 25 SEP 2002  
1 S L6

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FILE COVERS 1907 - 25 Sep 2002 VOL 137 ISS 13  
FILE LAST UPDATED: 24 Sep 2002 (20020924/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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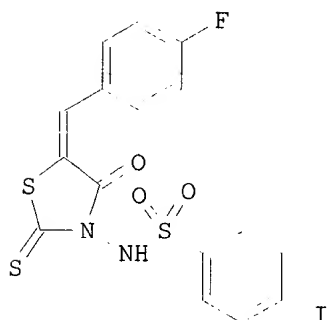
L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS  
AN 2001:762981 HCAPLUS  
DN 135:303880  
TI Preparation of thiazolidines as NS5B HCV polymerase inhibitors for  
therapeutic use in the treatment and prevention of hepatitis C infection  
IN Jaen, Juan C.; Piper, Derek E.; Powers, Jay P.; Walker, Nigel P. C.; Li,  
Yang  
PA Tularik Inc., USA  
SO PCT Int. Appl., 83 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM C07D277-36  
ICS C07D277-34; C07D207-48; A61K031-426; A61K031-428; A61K031-4015;  
A61P031-12  
CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))  
Section cross-reference(s): 1, 63  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001077091	A2	20011018	WO 2001-US11240	20010405
	WO 2001077091	A3	20020321		

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CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,  
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-194912P P 20000405  
 OS MARPAT 135:303880  
 GI



AB Compds., such as X1-L1-X2-A-L2-Ar1 [A = electrophilic group that reacts with a cysteine residue of the RdRp protein; Ar1 = aryl, heteroaryl; L1, L2 = linking group, such as CH<sub>2</sub>CH<sub>2</sub>, CH:CH, C.tplbond.C, O, S, SO, SO<sub>2</sub>, CO, C(O)O, alkylene, heteroalkylene, etc.; X1 = H, CN, CO<sub>2</sub>H, SO<sub>3</sub>H, alkyl, aryl, heteroaryl, etc.; X2 = aryl, heteroaryl, cycloalkyl, heterocyclyl], were prepd. for pharmaceutical use in the treatment of diseases caused by hepatitis C virus infection. Thus, thiazolidine I was prepd. via cyclocondensation of PhSO<sub>2</sub>NHNH<sub>2</sub> and C(S)(SCH<sub>2</sub>CO<sub>2</sub>H)<sub>2</sub> by heating in water at 95.degree. for 2h to form N-(4-oxo-2-thioxo-3-thiazolidinyl)benzenesulfonamide which was subsequently condensed with F-4-C<sub>6</sub>H<sub>4</sub>CHO in MeOH using NaOAc. The prepd. compds. were tested for RNA polymerase inhibitory activity. Also, pharmaceutical compns. for delivery of the antiviral agents were discussed.

ST thiazolidine prepn antiviral agent hepatitis C; RNA polymerase inhibitor  
 thiazolidine prepn

IT Antiviral agents  
 Hepatitis C virus

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 4120-64-3P 4703-96-2P 4992-29-4P 5447-37-0P 6318-36-1P  
 6318-37-2P 6326-22-3P 6326-75-6P 7249-37-8P 17521-20-9P  
 17592-96-0P 23509-49-1P 23517-83-1P 24138-83-8P 28996-47-6P  
 34560-01-5P 35533-27-8P 154013-80-6P 221286-84-6P  
**300818-66-0P 300818-67-1P 300818-68-2P**  
**300818-69-3P 300818-70-6P** 301687-85-4P 301687-86-5P  
 324565-28-8P 330570-41-7P 331261-32-6P 353517-31-4P  
**366807-86-5P 366807-87-6P** 366807-89-8P 366807-92-3P  
 366807-94-5P **366807-96-7P 366807-99-0P**  
**366808-01-7P 366808-03-9P 366808-05-1P**  
**366808-07-3P 366808-09-5P 366808-11-9P**  
**366808-13-1P 366808-15-3P 366808-17-5P**  
**366808-19-7P 366808-21-1P 366808-23-3P**  
**366808-25-5P 366808-26-6P 366808-27-7P**

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366808-85-7P 366808-86-8P 366808-89-1P 366808-92-6P  
366809-01-0P 366809-02-1P 366809-12-3P 366809-14-5P 366809-15-6P  
366809-16-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 9026-28-2, RNA-dependent RNA polymerase

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 80-17-1 98-60-2 98-88-4, Benzoyl chloride 104-88-1, reactions  
108-27-0 349-88-2 459-57-4 1438-16-0 2642-63-9 6287-38-3  
6326-83-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 99073-20-8P 301343-38-4P 366809-17-8P 366809-18-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

=> fil reg

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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

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L6 ANSWER 1 OF 108 REGISTRY COPYRIGHT 2002 ACS

RN 384849-01-8 REGISTRY

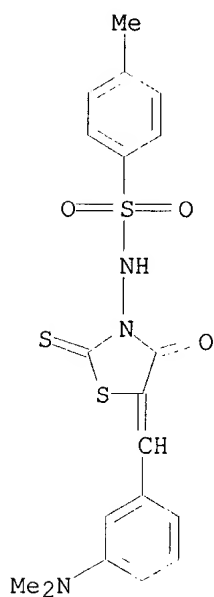
CN Benzenesulfonamide, N-[5-[[3-(dimethylamino)phenyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]-4-methyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C19 H19 N3 O3 S3

SR Chemical Library

LC STN Files: CHEMCATS



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L6 ANSWER 10 OF 108 REGISTRY COPYRIGHT 2002 ACS

RN 366808-73-3 REGISTRY

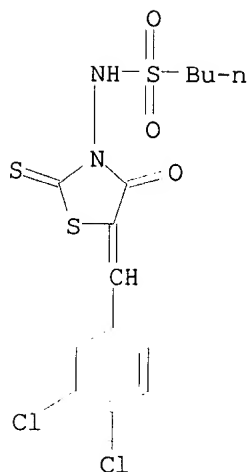
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LC STN Files: CA, CAPLUS

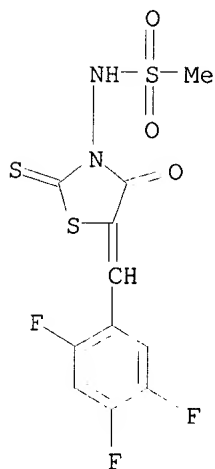


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REFERENCE 1: 135:303880

L6 ANSWER 20 OF 108 REGISTRY COPYRIGHT 2002 ACS  
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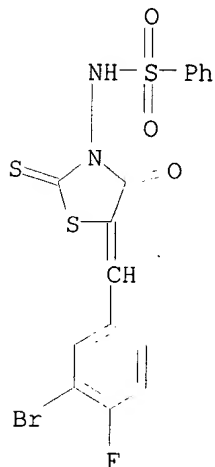


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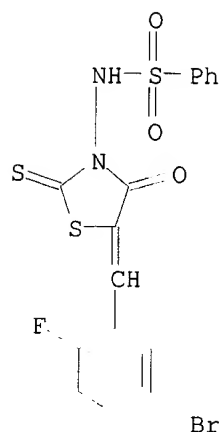
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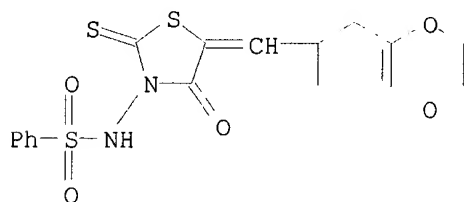


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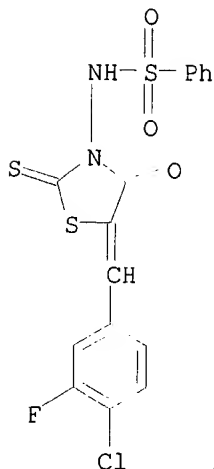


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L6 ANSWER 60 OF 108 REGISTRY COPYRIGHT 2002 ACS  
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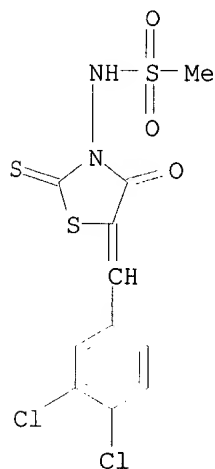


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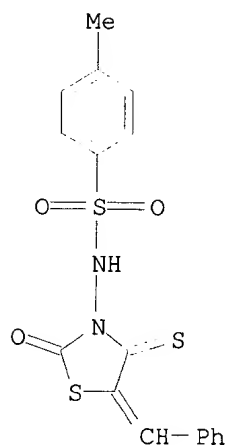


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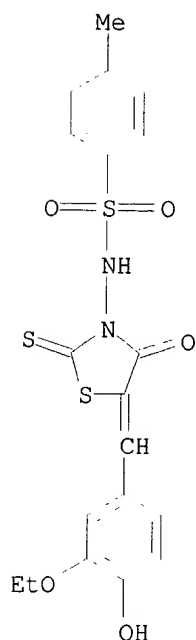
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L6 ANSWER 80 OF 108 REGISTRY COPYRIGHT 2002 ACS  
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SR Chemical Library  
LC STN Files: CHEMCATS



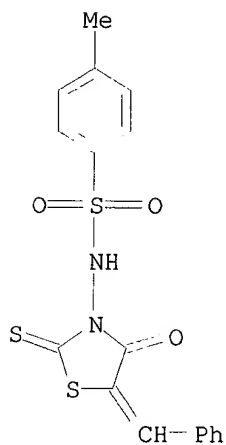
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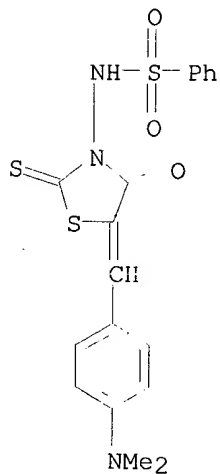
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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L6 ANSWER 108 OF 108 REGISTRY COPYRIGHT 2002 ACS

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